

09/12/01  
JC860 U.S. PTO

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Certificate of Mailing By "U.S. Express Mail" Under 37 C.F.R. 1.10(c)  
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I hereby certify that this paper and/or fee is being deposited with the United States Postal Service  
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Name: Janti Lie  
9/12/01  
Signature Date \_\_\_\_\_  
  
Signature

J1046 U.S. PTO  
09/954453  
09/12/01

Docket No.: BEAR-P013

## APPLICATION TRANSMITTAL LETTER

Assistant Commissioner of Patents  
United States Patent and Trademark Office  
Washington, D.C. 20231

**ATTN: BOX PATENT APPLICATION**

Sir:

Transmitted herewith for filing is the patent application of

Inventor(s): Bhoja, et al.

Entitled: **"METHOD AND APPARATUS FOR ELIMINATING DEAD ZONE IN PHASE  
LOCKED LOOPS USING BINARY QUANTIZED PHASE DETECTORS"**

18 No. of pages of specification, including title page, claims and abstract

6 No. sheets of X informal, \_\_\_\_\_ formal drawings

Also enclosed are:

Facsimile copy of executed Combined Declaration and Power of Attorney for Patent Application

Facsimile copy of executed Assignment of the Application

Form PTO-1595 (Recordation Cover Sheet for Assignment)

Request and Certification Form PTO/SB/35 (11-00)

Application Data Sheet ( 4 sheets)

An Information Disclosure Statement (Form PTO/SB/08A and Form PTO/SB/08B)

A copy of References cited in Information Disclosure: \_\_\_\_\_ documents

**FEES DUE**

Applicant Claims Small Entity Status (37 CFR 1.27)

The fees due for filing the application pursuant to 37 C.F.R. 1.16 and for recording the Assignment, if any, are determined as follow:

| CLAIMS   |               |            |              |                              |           |
|--|---------------|------------|--------------|------------------------------|-----------|
|  | No. of Claims |            | Extra Claims | Rate                         | Fees      |
| Basic Application Fee (\$710 large entity; \$355 small entity)               |               |            |              |                              | \$ 355.00 |
| Total Claims   | 24            | Minus 20 = | 4            | X \$18 =<br>X \$ 9 (small) = | 36.00     |
| Total Independent Claims   | 3             | Minus 3 =  |              | X \$80 =<br>X \$40 (small) = | .00       |
| If Multiple Dependent Claims are presented, add \$260.00 or \$130.00 (small) |               |            |              |                              |           |
| If Assignment enclosed, add Assignment Recording Fee \$40.00                 |               |            |              |                              | 40.00     |
| <b>TOTAL APPLICATION FEE DUE</b>   |               |            |              |                              | \$ 431.00 |

The Commissioner for Patents  
United States Patent and Trademark Office  
Washington, D.C. 20231  
**ATTN: Box Patent Application**

Re: U.S. Utility Patent Application  
Appl. No. (Not yet assigned); Filed 09/12/01  
For: **Method And Apparatus For Eliminating Dead Zone In Phase Locked Loops  
Using Binary Quantized Phase Detectors**  
Inventor(s): **Bhoja, et al.**  
Docket No.: **BEAR-P013**

Sir:

The following documents are forwarded herewith for action by the U.S. Patent and Trademark Office:

1. U.S. UTILITY APPLICATION  
entitled: **Method And Apparatus For Eliminating Dead Zone In Phase Locked Loops Using  
Binary Quantized Phase Detectors**  
having named inventor(s):  
**Bhoja, et al.**
  - a. a specification consisting:
    - (i) 12 pages prior to the claims, including title page;
    - (ii) 5 pages of claims;
    - (iii) 1 page abstract;
  - b. 6 sheets of **informal** drawings: (FIGs. 1-6);
2. Facsimile copy of executed Combined Declaration and Power of Attorney by named inventors;
3. Form PTO-1082 (in duplicate);
4. Cover letter for Assignment (Form PTO-1595)
5. Facsimile copy of executed Assignment to **BIGBEAR NETWORKS, INC.**, executed by named inventors, recordation of which is hereby requested;
6. Request and Certification Form PTO/SB/35 (11-00);
7. Check No. 746 For \$ 431.00 to cover:

|                                |           |
|--------------------------------|-----------|
| Patent application filing fee: | \$ 355.00 |
| Assignment Recordation fee:    | \$ 40.00  |
| Excess claims fee:             | \$ 36.00  |
8. Application Data Sheet (4 sheets); and
9. A return post card

It is respectfully requested that the attached postcard be stamped with the filing date of the above documents and unofficial application number and returned to the addressee as soon as possible.

Respectfully submitted,

9/12/2001  
Date



PETER C. SU, ESQ  
Reg. No. 43,939

**FERNANDEZ & ASSOCIATES, LLP**  
**PATENT ATTORNEYS**  
PO BOX D  
MENLO PARK, CA 94026-6204  
(650) 325-4999  
(650) 325-1203 FAX  
EMAIL: *iploft@iploft.com*

**PAYMENT OF FEES**

The full fee due in connection with this communication is \$ 431.00 and is provided as follows:

The Commissioner is hereby authorized to charge the fees associated with this communication or credit any overpayment to **Deposit Account No: 500482**. A duplicate copy of this authorization is enclosed.

A Check No. 746 for the above-specified full fee is enclosed. However, in case Applicant inadvertently miscalculated any required fee, the Commissioner is hereby authorized to charge the necessary additional amount associated with this communication or credit any overpayment to **Deposit Account No: 500482**. A duplicate copy of this authorization is enclosed.

**NO 18 MONTHS PUBLICATION**

**REQUEST AND CERTIFICATION UNDER 35. U.S.C. 122(b) (2) (B) (i)**

I hereby certify that the invention disclosed in the attached application **has not and will not be the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen month after filing. I hereby request that the attached application not to be publish under 35 U.S.C. 122(b).**

This application is filed pursuant to 37 C.F.R. 1.53 in the name of the above-identified Inventor(s).

Please direct all correspondence concerning the above-identified application to the following address:

FERNANDEZ & ASSOCIATES, LLP  
PATENT ATTORNEYS  
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MENLO PARK, CA 94026-6204  
(650) 325-4999  
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22877

PATENT TRADEMARK OFFICE

Respectfully submitted,

  
PETER C. SU, ESQ  
Reg. No. 43,939

3/12/2007  
Date

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**REQUEST AND CERTIFICATION  
UNDER  
35 U.S.C. 122(b)(2)(B)(i)**

|                      |   |
|----------------------|---|
| First Named Inventor | Bhoja, et al.   |
| Title                | Method And Apparatus For Eliminating Dead Zone In Phase Locked Loops Using Binary Quantized Phase Detectors |
| Atty Docket Number   | BEAR-P013   |

I hereby certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. 122(b).

9/12/2001

Date

Signature

PETER C. SU, ESQ. Reg. No. 43,939  
Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**

Burden Hour Statement This collection of information is required by 37 CFR 1.213(a). The information is used by the public to request that an application not be published under 35 U.S.C. 122(b) (and the PTO to process that request). Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This form is estimated to take 6 minutes to complete. This time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.